

CONTENTS OF VOLUME 123

Vol. 123B, No. 1

General Papers

W. Cornell

M. Žakelj-Mavrič

A. Plemenitaš, T. Kastelic-Suhadolc, D. Žigon and

C. Ferreirós, M. T. Criado and J. A. Gómez	1	The neisserial 37 kDa ferric binding protein (FbpA)
L. G. Barron, R. L. Walzem and R. J. Hansen	9	Plasma lipoprotein changes in hens (Gallus domesticus) during an induced molt
P. M. Barling and J. Shirley	17	Diaphorase activity in sebaceous glands and related structures of the male red deer
B. Kossowska, E. Lamer-Zarawska, M. Olczak and I. Katnik-Prastowska	23	Lectin from Beauveria bassiana mycelium recognizes Thomsen-Friedenreich antigen and related structures
K. Muramoto, D. Kagawa, T. Sato, T. Ogawa, Y. Nishida and H. Kamiya	33	Functional and structural characterization of multiple galectins from the skin mucus of conger eel, Conger myriaster
V. B. Meyer-Rochow, T. Kashiwagi, K. Nishimura and E. Eguchi	47	Eye phospholipids and fatty acids from taxonomically-related Finnish and Japanese crayfish of similar habitats, but separated by 25° of latitude
Y. Kera, Z. Liu, T. Matsumoto, Y. Sorimachi, H. Nagasaki and Rh. Yamada	53	Rat and human membrane dipeptidase: tissue distribution and developmental changes
V. H. Obungu, J. K. Kiaira, R. M. Njogu and N. K. Olembo	59	Catabolism of proline by procyclic culture forms of Trypanosoma congolense
N. Nikolova, T. Rezanka, B. Nikolova-Damyanova and P. Kalushkov	67	Hydrocarbons in adult <i>Chrysomela vigintipunctata</i> (Scopoli) (Coleoptera: Chrysomelidae)
J. M. Dawson, H. M. R. Greathead, V. A. Sessions, F. M. Tye and P. J. Buttery	79	Effect of gastric inhibitory polypeptide on bovine fat metabolism
M. Caers, P. Coutteau, K. Cure, V. Morales, G. Gajardo and P. Sorgeloos	89	The Chilean scallop Argopecten purpuratus (Lamarck, 1819): I. fatty acid composition and lipid content of six organs
M. Caers, P. Coutteau, K. Cure, V. Morales, G. Gajardo and P. Sorgeloos	97	The Chilean scallop Argopecten purpuratus (Lamarck, 1819): II. manipulation of the fatty acid composition and lipid content of the eggs via lipid supplementation of the broodstock diet
T. Hatanaka, Y. Nabuchi and H. Ushio	105	Na+-dependent and Na+-independent transport of L-arginine and L-alanine across dog intestinal brush border membrane vesicles
L. Ballarin, C. Tonello, L. Guidolin and A. Sabbadin	115	Purification and characterization of a humoral opsonin, with specificity for D-galactose, in the colonial ascidian <i>Botryllus schlosseri</i>
		Vol. 123B, No. 2
General Papers N. Kan-no, M. Sato, T. Yokoyama and E. Nagahisa	125	Occurrence of β -alanine-specific opine dehydrogenase in the muscle of the limpet <i>Cellana grata</i> Gould (Archaeogastropoda)
D. R. Nelson, C. L. Fatland, J. S. Buckner and T. P. Freeman	137	External lipids of adults of the giant whitefly, Aleurodicus dugesii
L. Avellini, E. Chiaradia and A. Gaiti	147	Effect of exercise training, selenium and vitamin E on some free radical scavengers in horses (Equus caballus)
B. T. Langeland, D. L. Morris and J. S. McKinley-McKee	155	Metal binding properties of thiols; complexes with horse liver alcohol dehydrogenase
J. A. Kreiling, R. Duncan, M. A. Faggart and N.	163	Comparison of the beluga whale (<i>Delphinapterus leucas</i>) expressed genes for

175

5-aminolevulinate synthase with those in other vertebrates

Steroidogenesis in the fungus Pleurotus ostreatus

J. Miguel Cerdá-Reverter, G. Martínez-Rodríguez, Cloning the neuropeptide Y Exon 2 from sea bass (Dicentrarchus labrax) S. Zanuy, M. Carrillo and D. Larhammar G. Resch-Sedlmeier and D. Sedlmeier Release of digestive enzymes from the crustacean hepatopancreas: effect of vertebrate gastrointestinal hormones F. A. B. Del Pino, A. Brandelli, C. Termignoni, J. C. Purification and characterization of β -N-acetylhexosaminidase from bovine tick Gonzales, J. A. P. Henriques and H. Dewes Boophilus microplus (Ixodide) larvae M. Soo Nam, K.-i. Shimazaki, H. Kumura, K. K. 201 Characterization of Korean native goat lactoferrin Lee and D. Y. Yu P. Soudant, K. Van Ryckeghem, Y. Marty, J. Moal, Comparison of the lipid class and fatty acid composition between a reproductive 209 J. F. Samain and P. Sorgeloos cycle in nature and a standard hatchery conditioning of the Pacific Oyster Crassostrea gigas K. Baba, Y. Takahashi, Y. Aoyagi and S. Odani The amino acid sequence of a lamprey (Entosphenus japonicus) liver fatty acid-binding protein identified its close relationship to cardiac fatty acid-binding proteins of Sterol composition of the Black Sea Hydrozoan, Obelia longissima (Pallas 1766) S. De Rosa, A. Milone, S. Popov and S. Andreev 229 S. De Rosa, A. Milone and S. Popov Sterol composition of the sponge Fasciospongia cavernosa, from the Adriatic, Aegean and Tyrrhenian seas Vol. 123B, No. 3 General Papers C. Ferreira, S. R. Marana, C. Silva and W. R. Properties of digestive glycosidases and peptidases and the permeability of the peritrophic membranes of Abracris flavolineata (Orthoptera: Acrididae) Terra A. C. Holloway, M. A. Sheridan, G. Van Der Correlations of plasma growth hormone with somatostatin, gonadal steroid hor-Kraak and J. F. Leatherland mones and thyroid hormones in rainbow trout during sexual recrudescence Mannose 6-phosphate receptors (MPR 300 and MPR 46) from a teleostean fish S. Kumar Nadimpalli, U. Lakshmi Yerramalla, A. 261 Hille-Rehfeld and K. von Figura C. B. Martone, E. Spivak, L. Busconi, E. J. E. A cysteine protease from myxosporean degrades host myofibrils in vitro 267 Folco and J. J. Sánchez P. Sivakumar, P. Sampath and G. Chandrakasan Collagenolytic metalloprotease (gelatinase) from the hepatopancreas of the marine crab, Scylla serrata M. Flechtner-Mors, H. H. Ditschuneit, I. Yip, A. Reduced epinephrine-stimulated lipolytic activity in male golden-mantled ground Alt, R. M. Torres-Schow, S. Membrano, R. squirrel during hibernation: an in situ microdialysis study Caquin, C. Tam, T. Johnson and D. Heber C. Geetha and V. Deshpande 285 Purification and characterization of fish liver ferritins F. E. Nieto-Fernandez, D. Mattocks, F. Cavani, M. 295 Morphine coupling to invertebrate immunocyte nitric oxide release is dependent Salzet and G. B. Stefano on intracellular calcium transients M.-J. Ruano, J. A. Cabezas and P. Hueso 301 Degradation of cytidine 5'-monophospho-N-acetylneuraminic acid under different conditions S.-T. Ding, R. L. McNeel and H. J. Mersmann Expression of porcine adipocyte transcripts: tissue distribution and differentiation in vitro and in vivo K. Narita, T. Suzuki, K. Ohtsu, M. Seidou, Y. Structural and functional differences of two forms of GTP-binding protein, Gq, Kito and Y. Tsukahara in the cephalopod retina Vol. 123B, No. 4 General Papers T. A. Early and T. Glonek Lake Michigan sponge phosphatic metabolite variations with habitat: a ³¹P nuclear magnetic resonance study J. Forget and G. Bocquené Partial purification and enzymatic characterization of acetylcholinesterase from the intertidal marine copepod Tigriopus brevicornis C. Tafalla, I. Medina, A. Figueras and B. Novoa Production of leukotriene B₄ and prostaglandin E₂ by turbot (Scophthalmus maximus) leukocytes I. Elenkov, S. Popov and S. Andreev Sterols from two Black Sea sponges (Haliclona Sp.)

U. Lange, A. Goksøyr, D. Siebers and L. Karbe 361 Cytochrome P450 1A-dependent enzyme activities in the liver of dab (Limanda limanda): kinetics, seasonal changes and detection limits C. J. Laing and D. R. Fraser 373 The vitamin D system in iguanian lizards M. D. Durholtz, R. H. Kretsinger and M. R. Lipinski 381 Unique proteins from the statoliths of Lolliguncula brevis (Cephalopoda: Loliginidae) B. L. Samples, G. L. Pool and R. H. Lumb 389 Polyunsaturated fatty acids enhance the heat induced stress response in rainbow trout (Oncorhynchus mykiss) leukocytes 399 Cleavage specificity of a myofibril-bound serine proteinase from carp (Cyprinus M.-J. Cao, K. Osatomi, H. Pangkey, K. Hara and T. Ishihara carpio) muscle 407 A. Haddy and G. Smith Transition metal and organic radical components of carp liver tissue observed by electron paramagnetic resonance spectroscopy M. Faisal, D. Y. Schafhauser, K. A. Garreis, E. 417 Isolation and characterization of Perkinsus marinus proteases using bacitracin-sep-Elsayed and J. F. La Peyre harose affinity chromatography E. E. Elsayed, S. M. McLaughlin and M. Faisal 427 Protease inhibitors in plasma of the softshell clam Mya arenaria: identification and effects of disseminated sarcoma Instructions to authors

